

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	12	((IKUTOMO) near2 (UMEOKA)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 14:06
S2	85	((MAKOTO) near2 (KATAYAMA)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 14:16
S3	6	((JUNICHIRO) near2 (YABI KI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 14:23
S4	0	("5228853.pn.").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 14:29
S5	1	("5228853").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 14:29
S6	3	("20030223891" or "5860395" or "5228843").pn.	US-PGPUB; USPAT	OR	OFF	2008/06/09 14:30
S7	11	("2497781" "4901679" "4945864" "4979473" "4995346" "5118263" "5655495").PN. OR ("5860395").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 16:43
S8	1098	(417/415).CCLS.	USPAT; USOCR	OR	OFF	2008/06/09 17:09
S9	0	("2andpiston").PN.	USPAT; USOCR	OR	OFF	2008/06/09 17:09
S10	347	S8 and piston	USPAT	OR	OFF	2008/06/09 17:09
S11	148488	piston.ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 17:55
S12	4489	(piston and head).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 17:55
S13	1769	(piston and head and (engine or compressor or pump)).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 17:56
S14	60	(piston and head and (engine or compressor or pump) and pin).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/09 17:57

S15	966	(123/193.6).CCLS.	USPAT; USOCR	OR	OFF	2008/06/09 18:14
S16	0	("9andpiston").PN.	USPAT; USOCR	OR	OFF	2008/06/09 18:15
S17	517	S15 and piston.ti.	USPAT	OR	OFF	2008/06/09 18:15
S18	21	S15 and (piston and head).ti.	USPAT	OR	OFF	2008/06/09 18:15
S19	12	("4158328" "4274372" "4730549" "5000078" "5839352").PN. OR ("6357341").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 18:25
S20	16	("4577595" "4581983" "5065706" "5653204" "5724933" "6026777" "Re34139").PN. OR ("6314933").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 18:29
S21	42	("2340662" "3189010" "3190273" "3349672" "3613521" "3914574").PN. OR ("4581983").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 18:31
S22	35	("3413897" "3464100" "4608947" "4847964" "4878466" "5052280" "5144923" "5150517" "5261363" "5357920").PN. OR ("5778533").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 18:53
S23	9	("1468586" "1760122" "2381065" "2407440").PN. OR ("RE35551").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:05
S24	5	("2407440").URPN.	USPAT	OR	OFF	2008/06/09 19:06
S25	16	("1462501" "1760122" "2407440" "4535682" "4599935").PN. OR ("4809591").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:06
S26	10	("1760122" "4599935" "4752995" "4809591" "4903580").PN. OR ("5076226").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:09

S27	13	("3319535" "3403605" "4161165" "4715267" "4752995" "4817505" "5076226" "5174249").PN. OR ("5713262").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:10
S28	19	("2149862" "2195552" "2848287" "3403605" "3987709" "4535682" "4648309" "4683808" "4691622").PN. OR ("4817505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:11
S29	19	("1727647" "2066613" "2120090" "2141784" "2802707" "2802708").PN. OR ("3987709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:16
S30	11	("2032849" "2066613" "3307456" "3987709" "4161165").PN. OR ("4702151").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:19
S31	9	("4358881" "4702151" "4709621" "4785774" "4887519").PN. OR ("5063893").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:20
S32	18	("1229133" "4433616" "4530341").PN. OR ("4709621").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:23
S33	3	("2066613").URPN.	USPAT	OR	OFF	2008/06/09 19:30
S34	25	("1953109" "2066613" "2108865" "2315403" "3012831" "3035559" "3413897").PN. OR ("3628511").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:31
S35	2	("2032849").URPN.	USPAT	OR	OFF	2008/06/09 19:35
S36	1	("2141784").URPN.	USPAT	OR	OFF	2008/06/09 19:42

S37	18	("2344416" "3438789" "3621617" "3654692" "3732759" "4048975" "4075934" "4535682").PN. OR ("4752995").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:53
S38	18	("4535682" "4648309" "4691622" "4752995" "4760771" "4809591" "4903580" "5076226" "5115726" "5144884" "5172626" "5174193" "5193435" "5251540" "5682808" "RE35551").PN. OR ("6502539").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:54
S39	26	("1575751" "2186375" "2190207" "2352592" "2513814" "4648309" "4656711" "4691622" "4716817" "4809652" "4831919" "4864986" "4903580" "5107807").PN. OR ("5172626").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 19:58
S40	5	("2352592").URPN.	USPAT	OR	OFF	2008/06/09 20:00
S41	3	("2190207").URPN.	USPAT	OR	OFF	2008/06/09 20:01
S42	16	("2190207" "2194247" "2217542" "2416487" "2464554" "4987866").PN. OR ("5839351").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:01
S43	29	("1875039" "2795468" "3906923" "4194650" "4541377" "5114047" "5275309" "5448942" "5839351" "6193482" "6327962" "6453797" "6763758" "6772846" "6820582" "6892689" "D122922" "D286780" "D286781" "D287599" "D322969" "D371562"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:02

		"D373773" "D377493" "D383761" "D399212").PN. OR ("D515590").URPN.				
S44	12	("4648309" "4716817" "4756241" "5058489" "5076226" "5107807" "5158008" "5193436").PN. OR ("5448942").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:04
S45	24	("2046789" "2149862" "2217542" "2262132" "2309555" "2497380" "2513814").PN. OR ("4756241").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:05
S46	7	("2309555").URPN.	USPAT	OR	OFF	2008/06/09 20:07
S47	2	("2046789").URPN.	USPAT	OR	OFF	2008/06/09 20:12
S48	9	("2795468" "3123899" "D056347").PN. OR ("D286781").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:14
S49	0	("D056347").URPN.	USPAT	OR	OFF	2008/06/09 20:14
S50	0	("D056347").URPN.	USPAT	OR	OFF	2008/06/09 20:14
S51	0	("D056347").URPN.	USPAT	OR	OFF	2008/06/09 20:15
S52	8	("2795468" "3123899" "D056347").PN. OR ("D286780").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:17
S53	40	("1228048" "1727390" "1875039" "1979498" "2208898" "2806751" "2817562" "3051536" "3220101" "3405610").PN. OR ("3906923").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:19
S54	17	("2802706" "3035879" "3058792" "3137439" "3906923" "4058104" "4111104" "4158328" "4508019").PN. OR ("4719846").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:20

S55	21	("1432799" "1531066" "1665438" "1787638" "2119633" "2857218" "2921823" "3667443" "3815558").PN. OR ("4058104").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:22
S56	16	("1693584" "2080286" "3115070" "3327593" "3505934" "3906923" "4314531").PN. OR ("4677900").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:24
S57	5	("3505934").URPN.	USPAT	OR	OFF	2008/06/09 20:25
S58	13	("4535682").URPN.	USPAT	OR	OFF	2008/06/09 20:26
S59	14	("1760122" "2381065" "2407440" "3515035" "4535682").PN. OR ("4599935").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:28
S60	8	("1760122").URPN.	USPAT	OR	OFF	2008/06/09 20:29
S61	14	("1016561" "1760122" "2195552" "2407440" "4535682").PN. OR ("4760771").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:30
S62	4	("1016561").URPN.	USPAT	OR	OFF	2008/06/09 20:31
S63	14	("1760122" "2381065" "2407440" "3515035" "4535682").PN. OR ("4599935").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 20:33
S64	3	("2194247").URPN.	USPAT	OR	OFF	2008/06/09 20:44
S65	1	("1575751").URPN.	USPAT	OR	OFF	2008/06/09 20:48
S66	6	("3319535").URPN.	USPAT	OR	OFF	2008/06/09 20:51
S67	10	((recess or (bearing near2 surface)) and piston and skirt and (notch\$2 or groove\$1 or slot\$1)).ab.	USPAT	OR	OFF	2008/06/09 21:29

S68	8	("2035692" "5113817" "5996545" "6023619" "6209510" "6491013" "6763758").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/09 21:30
S69	184	((recess or notch\$2 or groove\$1 or slot\$1) and piston and (skirt or (bearing near2 surface))).ab.	USPAT	OR	OFF	2008/06/09 21:36
S70	18	("0791236" "1101682" "1756761" "2574934" "3272091" "3564978" "3589756").PN. OR ("3765307").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/10 08:17
S71	1282	((recess or notch\$2 or groove\$1 or slot\$1) and piston and (skirt or (bearing near2 surface))).ab.	US-PGPUB; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 08:26
S72	1251176	S71 and pump or compressor or engine	US-PGPUB; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 08:26
S73	861	S71 and (pump or compressor or engine)	US-PGPUB; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 08:27
S74	409	S73 and cylinder	US-PGPUB; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/10 08:27
S75	2218	inverter with operation with frequency	USPAT	OR	OFF	2008/06/10 09:50
S76	234	S75 and compressor	USPAT	OR	OFF	2008/06/10 09:51
S77	71	S76 and (power with supply with frequency)	USPAT	OR	OFF	2008/06/10 09:52
S78	34	refrigerant with R600\$1	USPAT	OR	OFF	2008/06/10 17:53
S79	1	jp-2004027969-\$ did.	DERWENT	OR	OFF	2008/10/09 14:20

S80	347	(US-7377035-\$ or US-7316547-\$ or US-7296981-\$ or US-7296435-\$ or US-7293495-\$ or US-7281907-\$ or US-7273358-\$ or US-7255539-\$ or US-7225724-\$ or US-7225723-\$ or US-7218017-\$ or US-7195464-\$ or US-7185431-\$ or US-7179064-\$ or US-7168929-\$ or US-7144229-\$ or US-7137792-\$ or US-7137791-\$ or US-7121635-\$ or US-7070397-\$ or US-7069986-\$ or US-7056105-\$ or US-7037090-\$ or US-7033150-\$ or US-7029249-\$ or US-7024960-\$).did. or (US-7013793-\$ or US-7001158-\$ or US-6991436-\$ or US-6981854-\$ or US-6960067-\$ or US-6956306-\$ or US-6948418-\$ or US-6942470-\$ or US-6913038-\$ or US-6896495-\$ or US-6881042-\$ or US-6857857-\$ or US-6840746-\$ or US-6838788-\$ or US-6832900-\$ or US-6802700-\$ or US-6790015-\$ or US-6783333-\$ or US-6779990-\$ or US-6776589-\$ or US-6761543-\$ or US-6752067-\$ or US-6749408-\$ or US-6745667-\$ or US-6742998-\$ or US-6742994-\$ or US-6739237-\$).did. or (US-6733245-\$ or US-6732631-\$ or US-6716003-\$ or US-6716001-\$ or US-	USPAT	OR	OFF	2008/10/10 13:04
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3600111-\$ or US-
3597119-\$ or US-

		3591315-\$ or US-3572981-\$ or US-3250931-\$ or US-3225758-\$ or US-1832588-\$).did.				
S81	1100	(417/415).CCLS.	USPAT; USOCR	OR	OFF	2008/10/10 13:04
S82	349	S81 and piston	USPAT	OR	OFF	2008/10/10 13:04
S83	2	S82 not S80	USPAT	OR	OFF	2008/10/10 13:04
S89	272	123/193.4	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 19:17
S90	19	("3671486" "3781205" "3890950" "4012478" "4395442" "4656711" "4969433" "5014605" "5117742").PN. OR ("5313919").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 20:10
S91	1116	(123/193.6).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 20:14
S92	1055	S91 not S89	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 20:15
S93	973	S92 and piston\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 20:15
S94	13	("4986167" "5052280" "5144923" "5261363" "5357920" "5394819" "5546896" "5778533" "5778846" "6453797" "6659062" "6722263").PN. OR ("6920860").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/12 20:25
S95	1	"5816783".pn.	USPAT	OR	OFF	2009/03/13 11:44
S96	61	(KANEKO near2 HIROAKI).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 12:33
S97	27	("1460537" "1468819" "1689752" "1694518" "2118283" "2359672" "2911963" "4048975").PN. OR ("4280455").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 12:35
S98	336	(123/18R).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 13:08

S99	157	S98 and piston\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 13:09
S100	793	((123/41.35) or (123/41.36) or (123/41.39)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 13:17
S101	4655	(74/595-605).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:34
S102	918	S101 and piston\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:34
S103	673	(92/187).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 15:05
S104	264	(92/157).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 16:44
S105	520	(92/160).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:22
S106	495	S105 not S104	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:23
S107	472	S106 not S103	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 17:23
S108	2	("2702219").URPN.	USPAT	OR	OFF	2009/03/13 18:48
S109	12811	(92/172-260).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 19:30
S110	165	S109 and (piston same skirt same land)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 19:30

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